

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Application Number	10/692,080
Filing Date	October 23, 2003
First Named Inventor	Richard L. Apodaca et al.
Group Art Unit	
Examiner Name	
Attorney Docket Number	PRD-25

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature	/Celia Chang/	Date Considered	09/07/2006
-----------------------	---------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**



PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 3

Application Number	10/692,080
Filing Date	October 23, 2003
First Named Inventor	Richard Apodaca
Group Art Unit	
Examiner Name	
Attorney Docket Number	PRD 0025 NP

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code ² (if known)			
CC		USPN 3,886,160		Tweil, Robert C.	05-27-1975	
		USPN 3,714,179		Tweil, Robert C.	01-30-1973	
		USPN 5,030,844		Baldwin et al.	07-09-1991	
		USPN 5,217,986		Pomponi, S.A. et al.	08-08-1993	
		USPN 5,352,707		Pomponi, S.A. et al.	10-04-1994	
CC		USPN 5,869,479		Kreutner, W.; Hey, J.A.	02-09-1999	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear	T ⁶
		Office ³	Number ⁴	KindCode ⁵				
CC		WO	99/42458		James Black Foundation Limited	08-26-1999		
		EP	0978512	A1	Societe Civile Bioprojet	02-09-2000		
		JP	02306237	A2	Kato et al.	12-19-1990		
		WO	02/078925	A2	Eli Lilly and Company	10-03-2002		
		WO	03/050099	A1	Ortho-McNeil Pharmaceutical, Inc.	08-19-2003		
		WO	02/024695	A2	Ortho-McNeil Pharmaceutical, Inc.	03-28-2002		
		WO	02/012214	A2	Ortho-McNeil Pharmaceutical, Inc.	02-14-2002		
		WO	02/012190	A2	Ortho-McNeil Pharmaceutical, Inc.	02-14-2002		
CC		WO	03/066604	A2	Novo Nordisk	08-07-2003		

Examiner Signature	/Celia Chang/	Date Considered	09/07/2006
-----------------------	---------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

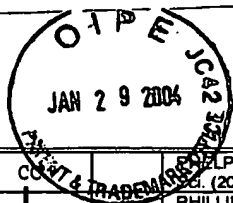
INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 3

Application Number	10/692,080
Filing Date	October 23, 2003
First Named Inventor	Richard Apodaca
Group Art Unit	
Examiner Name	
Attorney Docket Number	PRD 0025 NP

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITOL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
CC		ALBENGRES, E. et al. Systemic Antifungal Agents. <i>Drug Safety</i> (Feb. 1998) 18(2):83-97	
		ALI, S.M. et al. Design, Synthesis, and Structure-Activity Relationships of Acetylene-Based Histamine H3 Receptor Antagonists. <i>J. Med. Chem.</i> (1999) 42(5):903-909	
		ARRANG, J.-M. et al. Auto-inhibition of Brain Histamine Release Mediated by a Novel Class (H3) of Histamine Receptor. <i>Nature</i> (April 1983) 302:832-837	
		ASH, A.S.F.; SCHILD, H.O. Receptors Mediating Some Actions of Histamine. <i>Br. J. Pharmac. Chemother.</i> (1966) 27:427-439	
		BACK, D.J.; TJIA, J.F. Inhibition of Tolbutamide Metabolism by Substituted Imidazole Drugs In Vivo: Evidence for a Structure-Activity Relationship. <i>Br. J. Pharmacol.</i> (1985) 85:121-126	
		BARNES, J.C. et al. The Selective Histamine H3 Receptor Antagonist Thioperamide Improves Cognition and Enhances Hippocampal Acetylcholine Release In Vivo. <i>Soc. Neurosci. Abstr.</i> (1993) 19:1813	
		BioWorld Today, March 2, 1999, page 3	
		BLACK, J.W. et al. Definition and Antagonism of Histamine H2-Receptors. <i>Nature</i> (April 1972) 236:385-390	
		DING, Y.-S. et al. Synthesis of High Specific Activity (+) and (-)-[18F]Fluoronephrine via the Nucleophilic Aromatic Substitution Reaction. <i>J. Med. Chem.</i> (1991) 34(2):767-771	
		GANELLIN, C.R. et al. Synthesis of Potent Non-Imidazole Histamine H3-Receptor Antagonists. <i>Arch. Pharm. Pharm. Med. Chem. (Weinheim, Ger.)</i> (1998) 331:395-404	
		GARBARG, M. et al. S-[2-(4-Imidazolyl)ethyl]isothiourea, a Highly Specific and Potent Histamine H3 Receptor Agonist. <i>J. Pharmacol. Exp. Ther.</i> (1992) 263(1):304-310	
		Giltech Inc. Press Release Nov. 5, 1998	
		GONZALEZ, F. GARCIA, et al. Synthesis of 3-aryl(alkyl)-4-(D-arabino-tetrahydroxybutyl)imidazoline-2-thiones. <i>Carbohydrate Research</i> , 22(2), 438-40 (English) 1968	
		ICHINOSE, M.; BARNES, P.J. Histamine H3-Receptors Modulate Nonadrenergic Noncholinergic Neural Bronchoconstriction in Guinea-Pig In Vivo. <i>Eur. J. Pharmacol.</i> (1989) 174(1):49-55	
		IMAMURA, M. et al. Unmasking of Activated Histamine H3-Receptors in Myocardial Ischemia: Their Role as Regulators of Exocytotic Norepinephrine Release. <i>J. Pharmacol. Exp. Ther.</i> (1994) 271(3):1259-1266	
		JONES, R.G. Studies on Imidazoles. II. The Synthesis of 5-Imidazolecarboxylates from Glycine and Substituted Glycine Esters. <i>J. Am. Chem. Soc.</i> (1949) 71:644-647	
		JORDAAN, A. ARNDT, R.R. The Synthesis of 1-Methyl-5-(α -indolyl)imidazole and 1-Methyl-2-ethylthiol-5-(α -indolyl)imidazole. <i>Journal of Heterocyclic Chemistry</i> 5(5), 723-5 (English) 1968	
		KAPETANOVIC, I.M.; KUPFERBERG, H.J. Nafimidone, an Imidazole Anticonvulsant, and Its Metabolite as Potent Inhibitors of Microsomal Metabolism of Phenytoin and Carbamazepine. <i>Drug Metab. Dispos.</i> (1984) 12(5):560-564	
		KORTE, A. et al. Characterization and Tissue Distribution of H3 Histamine Receptors in Guinea Pigs by N alpha-Methylhistamine. <i>Biochem. Biophys. Res. Commun.</i> (May 1990) 168(3):979-986	
		KRAUSE, M. et al. Medicinal Chemistry of Histamine H3 Receptor Agonists. In <i>The Histamine H3 Receptor - A Target for New Drugs</i> Leurs, R.; Timmerman, H. (Eds.) Elsevier (1998) 175-196	
		LAVRIJSEN, K. et al. Induction Potential of Antifungals Containing an Imidazole or Triazole Moiety. <i>Biochem. Pharmacol.</i> (1986) 35(11):1867-1878	
		LEURS, R. et al. The Medicinal Chemistry and Therapeutic Potentials of Ligands of the Histamine H3 Receptor. <i>Prog. Drug Res.</i> (1995) 45:107-165	
		LEURS, R. et al. "Therapeutic potential of histamine H3 receptor agonists and antagonists" <i>Trends in Pharmacological sciences</i> , Elsevier Trends Journal, Cambridge, BG, vol. 19, no. 5, 1 May 1998; Pages 177-184, XP004121095	
		LIN, J.-S. et al. Involvement of Histaminergic Neurons in Arousal Mechanisms Demonstrated with H3-Receptor Ligands in the Cat. <i>Brain Res.</i> (1990) 523:325-330	
		LINNEY, I.D. et al. Design, Synthesis, and Structure-Activity Relationships of Novel Non-Imidazole Histamine H3 Receptor Antagonists. <i>J. Med. Chem.</i> (2000) 43(12):2362-2370	
		LOVENBERG, T.W. et al. Cloning and Functional Expression of the Human Histamine H3 Receptor. <i>Mol. Pharmacol.</i> (1999) 55:1101-1107	
		LOVENBERG, T.W. et al. Cloning of Rat Histamine H3 Receptor Reveals Distinct Species Pharmacological Profiles. <i>J. Pharmacol. Exp. Ther.</i> (2000) 293(3):771-778	
		MACHIDORI, H. et al. Zucker Obese Rats: Defect in Brain Histamine Control of Feeding. <i>Brain Res.</i> (1992) 590:180-186	
		MCLEOD, R.L. et al. Antimigraine and Sedative Activity of SCH 50971: A Novel Orally-Active Histamine H3 Receptor Agonist. <i>Soc. Neurosci. Abstr.</i> (1996) 22:2010	
		MEIER, G. et al. Piperidino-Hydrocarbon Compounds as Novel Non-Imidazole Histamine H3-Receptor Antagonists. <i>Bioorg. Med. Chem.</i> (2002) 10:2535-2542	
		MONTI, J.M. et al. Effects of Selective Activation or Blockade of the Histamine H3 Receptor on Sleep and Wakefulness. <i>Eur. J. Pharmacol.</i> (1991) 205(3):283-287	
		MORISSET, S. et al. High Constitutive Activity of Native H3 Receptors Regulates Histamine Neurons in Brain. <i>Nature</i> (Dec. 2000) 408:860-864	
		ODA, T. et al. Molecular Cloning and Characterization of a Novel Type of Histamine Receptor Preferentially Expressed in Leukocytes. <i>J. Biol. Chem.</i> (2000) 275(47):36781-36786	
		PANULA, P. et al. Significant Changes in the Human Brain Histaminergic System in Alzheimer's Disease. <i>Soc. Neurosci. Abstr.</i> (1995) 21:1977	



	PHILLIPS, M.E. Positron Emission Tomography Provides Molecular Imaging of Biological Processes. Proc. Natl. Acad. Sci. (2000) 97(18):9228-9233	
	PHILLIPS, J.G.; ALI, S.M. Medicinal Chemistry of Histamine H3 Receptor Antagonists; In The Histamine H3 Receptor - A Target for New Drugs Leurs, R.; Timmerman, H. (Eds.) Elsevier (1998) 197-222	
	PHILLIPS, J.G. et al. Chapter 4. Recent Advances in Histamine H ₃ Receptor Agents. Ann. Reports in Med. Chem., 31, 1998, pages 31-40	
	ROULEAU, A. et al. Bioavailability, Antinociceptive and Antiinflammatory Properties of BP 2-94, a Histamine H3 Receptor Agonist Prodrug. J. Pharmacol. Exp. Ther. (1997) 281(3):1085-1094	
	SABBATINI, RENATO, M.E., The Cyclotron and PET. In Brain & Mind an electronic magazine about Neuroscience [online], March, 1997. Retrived from the internet, <http://www.epub.org.br/cm/vn01/pe/petcycto.htm.	
	SCHLICKER, E.; MARR, I. The Moderate Affinity of Clozapine at H3 Receptors is Not Shared by Its Two Major Metabolites and by Structurally Related and Unrelated Atypical Neuroleptics. Naunyn-Schmiedeberg's Arch. Pharmacol. (1996) 353:290-294	
	SHEETS, J.J.; MASON, J.I. Ketoconazole: a Potent Inhibitor of Cytochrome P-450-Dependent Drug Metabolism in Rat Liver. Drug Metab. Dispos. (1984) 12(5):603-608	
	STARK, H. et al. Developments of Histamine H3-Receptor Antagonists. Drugs Future (1998) 21(5):507-520	
	TOZER, M.J., et al.: "From Histamine to Imidazolylalkyl-sulfonamides: the design of a novel series of histamine H3 receptor antagonists"; Bioorganic & Medicinal Chemistry Letters, OXFORD, GB, vol. 9, no. 13, 5 July 1999, Pages:1825-1830, XP004168846	
	TOZER, M.J.; KALINDJIAN, S.B. Histamine H3 Receptor Antagonists. Exp. Opin. Ther. Patents (2000) 10(7):1045-1055	
	WALCZYNSKI, K. et al. Non-Imidazole Histamine H3 Ligands, Part 2: New 2-Substituted Benzothiazoles as Histamine H3 Antagonists. Arch. Pharm. Pharm. Med. Chem. (Weinheim, Ger.) (1999) 332:389-398	
	WALCZYNSKI, K. et al. Non-Imidazole Histamine H3 Ligands. Part I. Synthesis of 2-(1-Piperazinyl)- and 2-(Hexahydro-1H-1,4-diazepin-1-yl)benzothiazole Derivatives as H3-Antagonists with H1 Blocking Activities. Farmaco (1999) 54:884-894	
	WEST, R.E. et al. Identification of Two H3-Histamine Receptor Subtypes. Mol. Pharmacol. (1990) 38(5):810-813	
	WEST, R.E., Jr. et al. The Profiles of Human and Primate [3H]N alpha-methylhistamine Binding Differ from That of Rodents. Eur. J. Pharmacol. (1999) 377:233-239	
	YOKOYAMA, H. et al. Effect of Thioperamide, a Histamine H3 Receptor Antagonist, on Electrically Induced Convulsions in Mice. Eur. J. Pharmacol. (1993) 234:129-133	
	ANJANEYULU, B. et al. Synthesis of 14C-Labelled 1-Methanesulphonyl-3-(1-methyl-5-nitro-1H-imidazol-2-yl)-2-imidazolidinone. (Go 10213). J. Labelled Compd. Radiopharm. (1983) 20(8):951-961	
	IEMURA, R. et al. Synthesis of Benzimidazole Derivatives as Potential H1-Antihistaminic Agents. J. Heterocycl. Chem. (1987) 24:31-37	
	IVATA, R. et al. Synthesis of 3-[1H-imidazol-4-yl]propyl 4-[18F]fluorobenzyl Ether ([18F]Fluoroproxyfan): A Potential Radioligand for Imaging Histamine H3 Receptors. J. Labelled Compd. Radiopharm. (2000) 43:873-882	
	JAROSINSKI, M.A.; ANDERSON, W.K. Preparation of Noncondensed 2-Substituted 1-Methylimidazoles via Ipso Substitution Reaction on 2-Sulfinyl or 2-Sulfonyl Derivatives of 4,5-Disubstituted 1-Methylimidazoles. J. Org. Chem. (1991) 56(12):4058-4062	
	OHTA, S. et al. Synthesis and Application of Imidazole Derivatives. Introduction of Carbogenic Substituents into the 5-Position of 1-Methyl-1H-imidazole. Chem. Pharm. Bull. (1992) 40(10):2681-2685	
	PHILLIPS, B.T. et al. Preparation of 5-Substituted 2-Mercapto-1-methylimidazoles. Direct Metalation of 2-Mercapto-1-methylimidazole. Synthesis (1990) :761-763	
	SCHNETTLER, R.A. et al. 4-Aroyl-1,3-dihydro-2H-imidazol-2-ones, a New Class of Cardiotonic Agents. J. Med. Chem. (1982) 25:1477-1481	
	SHAPIRO, G.; MARZI, M. Synthesis of 2,5-Dithio-1-methylimidazole. Tetrahedron Lett. (1993) 34(21):3401-3404	
	APODACA, R. et al. A New Class of Diamine-based Histamine H3 Receptor Antagonists: 4-(Aminoalkoxy)benzylamines. J. Med. Chem. (2003) 46(18):3938-3944	
	STARK, H. Recent Advances in Histamine H3/H4 Receptor Ligands. Expert Opin. Ther. Patents (2003) 13(6):851-865	
	Phenylalkynes to Treat Histamine-Mediated Conditions. Expert Opin. Ther. Patents (2003) 13(11):1759-1762	
	KIEC-KONONOWICZ, K. et al. Importance of the Lipophilic Group in Carbamates Having Histamine H3-Receptor Antagonist Activity. Pharmazie (2000) 55(5):349-355	
	MOR, M. et al. Synthesis and Biological Assays of New H3-Antagonists with Imidazole and Imidazoline Polar Groups. II Farmaco (2000) 55:27-34	
CC	WINDSHORST, A.D. et al. Characterization of the Binding Site of the Histamine H3 Receptor. 2. Synthesis, in vitro Pharmacology and QSAR of a Series of Monosubstituted Benzyl Analogues of Thioperamide. J. Med. Chem. (2000) 43(9):1754-1761	

Examiner Signature	/Celia Chang/	Date Considered	09/07/2006
--------------------	---------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.